Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 07 Dec 2023 until 23:59 on Friday 08 Dec 2023

Forecast Issued on Thursday 07 Dec 2023 at 02:16

Confidence: Moderate

Headline for Thursday 07 Dec 2023: Strong winds and rain through much of the day. Turning slightly milder.

Mountain weather hazards on Thursday 07 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Drizzle
Precipitation probability					
80%	90%	90%	90%	90%	60%

Forecast for Thursday 07 Dec 2023

Weather: Unsettled with strong winds and rain, patchy at first but becoming more continuous through the morning, always heaviest for southern facing slopes given the strong south-southeasterly winds. Rain becoming persistent and heavy from midday, before slowly clearing west into the evening to leave a somewhat drier end to the day with slightly lighter winds, but remaining cloudy with a risk of fog.

Chance of cloud-free hill tops above 600m: 10-20%, with the best chance of clearer spells to the lee of high ground.

Low cloud and visibility: Broken low cloud above around 300-400m for much of the day in association with the rain. Visibility generally moderate in rain, poor in early snow and locally very poor in cloud and any fog later.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 07 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	33/42 SE	36/47 SE	33/45 SE	31/41 SE	27/37 SE	18/26 S	17/25 S
300	29/41 SE	31/44 SE	29/42 SE	27/39 SE	23/36 SE	16/24 S	14/23 S
Valley	17/37 SE	18/40 SE	18/39 SE	17/38 SE	16/34 SE	10/21 SE	8/20 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-6	2/-6	3/-5	2/-5	3/-4	4/-1	5/0
300	4/-3	4/-2	5/-1	5/-1	5/-0	5/1	7/3
Valley	4/-1	5/-0	5/1	6/1	6/1	6/3	6/4
Freezing Level*	1700m	2100m	2000m	2100m	1800m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A poor weather day up on the hills, particularly when exposed to those strong south-easterly winds. Turning somewhat milder than recent times but some severe wind chill and poor visibility likely at height and appropriate equipment vital.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 07 Dec 2023	0.6mm	5mm	28.8mm

Forecast for Friday 08 Dec 2023

Weather: Thursday's rain clearing overnight to leave a generally drier, brighter start to Friday. Outbreaks of showery rain spreading east to all areas through the morning however, locally heavy at times, with strong southerly to south-westerly winds persisting.

Maximum wind: Southerly to south-westerly 20-25mph, gusting 30-35mph.

Chance of cloud-free hill tops above 600m: 60% to start, becoming 30% through the morning.

Low cloud and visibility: Patchy cloud above around 200-300m to start, this tending to lift somewhat but thicken into the day, becoming broken above 400-500m. Visibility generally good but moderate in showers and locally very poor in cloud.

Temperature: **Valleys:** 6 Celsius, becoming 8 Celsius.
At 600m: 3-4 Celsius.
Freezing level: 1400m becoming 1800m.

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